

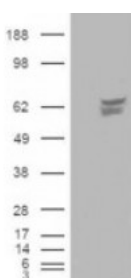


## CACNB4 Antibody

CATALOG NUMBER: 45-351



Western Blot (0.2ug/ml) staining of human bone marrow lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



HEK293 overexpressing CACNB4 and probed with antibody (mock transfection in first lane).

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:8000. Western Blot: Approx 60+55kDa bands observed in Human Bone Marrow lysates and in transfected HEK293 transiently expressing CACNB4 (calculated MW of 58.2kDa according to NP_000717.2 and 54.7kDa according to NP_001005746.1). Recommended concentration: 0.3-
<b>POSITIVE CONTROL:</b>	1) Human Bone Marrow Lysate
<b>SPECIFICITY:</b>	This antibody is expected to recognise all reported protein isoforms of human CACNB4 (NP_001005747.1; NP_000717.2; NP_001005746.1; )
<b>IMMUNOGEN:</b>	CACNB4 antibody was raised against a 14 amino acid synthetic peptide near the C-Terminus of CACNB4.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	CACNB4 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	CACNB4 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	CACNB4, CAB4, CACNLB4, calcium channel, voltage-dependent, beta 4 subunit, dihydropyridine-sensitive L-type, calcium channel beta-4 subunit
<b>ACCESSION NO.:</b>	NP_001005747.1, NP_000717.2, NP_001005746.1
<b>PROTEIN GI NO.:</b>	54607068

OFFICIAL SYMBOL:	CACNB4
GENE ID:	785

### Background

**REFERENCES:** 1) Badou A, Basavappa S, Desai R, Peng YQ, Matza D, Mehal WZ, Kaczmarek LK, Boulpaep EL, Flavell RA. Requirement of voltage-gated calcium channel beta4 subunit for T lymphocyte functions. Science. 2005 Jan 7;307(5706):117-21.

FOR RESEARCH USE ONLY

December 13, 2016